

# SYSTEM FOR PROVIDING CONTROL TO AN INDUSTRIAL PROCESS USING ONE OR MORE MULTIDIMENSIONAL VARIABLES

## ABSTRACT

5 A system for controlling an industrial process. The system includes an input  
module for receiving a plurality of parameters from a process for manufacture of a substance  
or object. The system also includes a library module. The library module includes a plurality  
of computer aided processes. Any one of the computer aided processes is capable of using  
each of the plurality of parameters to compare at least two of the plurality of parameters  
10 against a training set of parameters. The training set of parameters is generally  
predetermined. The computer aided process is also capable of determining if the at least two  
of the plurality of parameters are within a predetermined range of the training set of  
parameters. Additionally, the system includes an output module for outputting a result based  
upon the training set and the plurality of parameters

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